

FLUORESCENCE CORRELATION SPECTROSCOPY INSTRUMENT AND  
METHOD OF USING THE SAME

ABSTRACT

Disclosed is a portable fluorescence correlation spectroscopy instrument that  
5 includes an excitation source, at least one of a light focusing element positioned to receive  
light emitted by the excitation source, a detector for detecting light, the detector positioned  
to receive light emitted by a sample excited by the excitation source, and a correlator  
coupled to the detector, the correlator for processing data received at the detector and  
providing data including autocorrelation data, crosscorrelation data, or a combination  
10 thereof.